

## Tools you need.

- ①Iron (30W)
- ②Solder wire
- ③Multimeter
- ④Tweezers
- ⑤Wire cutters

## Precautions::

- ①Check part values & quantities against part list
- ②Always meter resistor values before soldering
- ③Understand all part polarities and orientations

## SG-10 Noise signal generator kit instructions

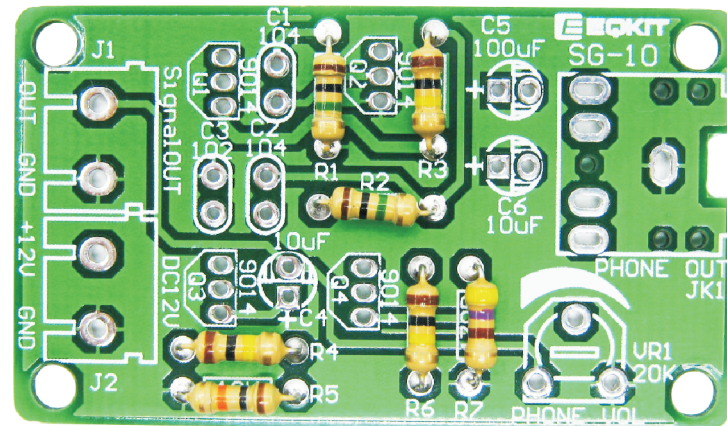
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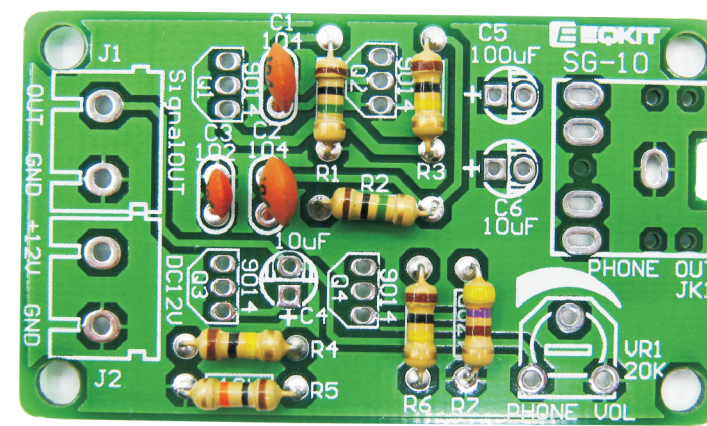
Produced by YiQi

### 1. Install RES:

R1.R2=1MΩ. R3.R4.R6=100KΩ.  
R5=10KΩ.R7=470Ω

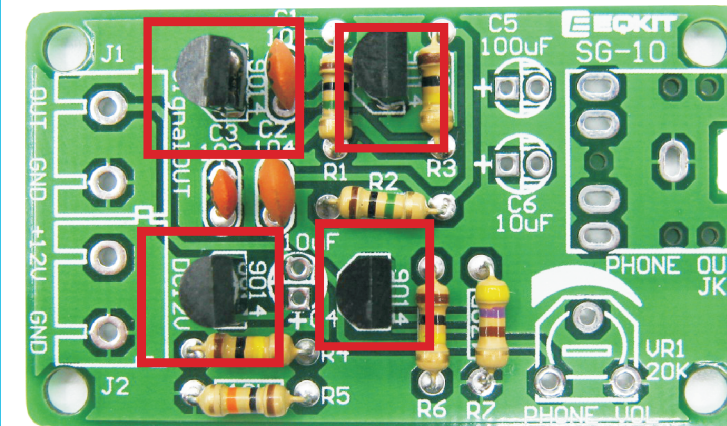


### 2. Install CAP : C1=C2=104pF C3=102pF

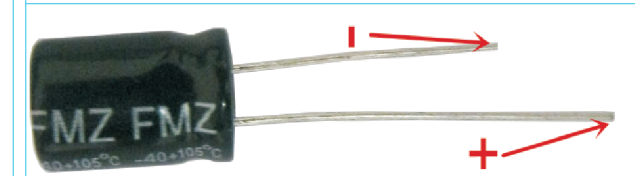


### 3. Install Triode :

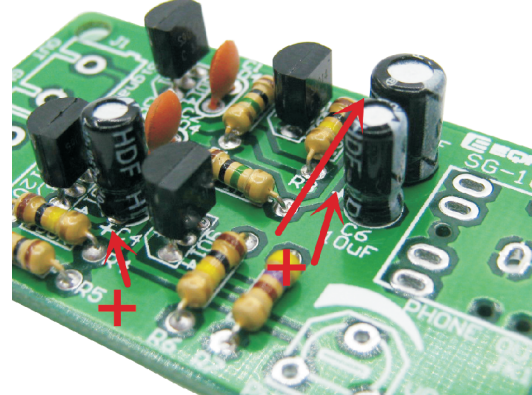
Q1-Q4=S9014. Notice the direction of the triode



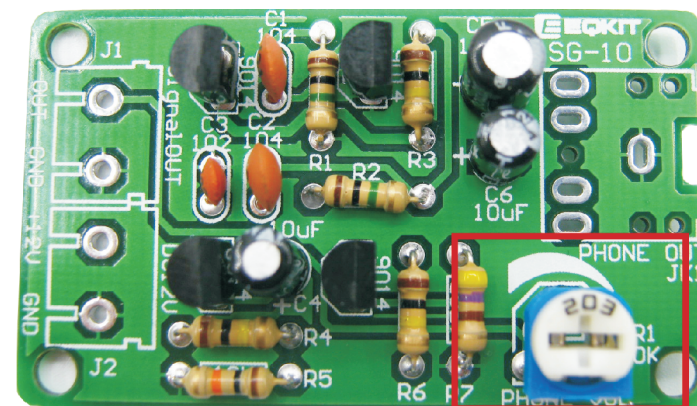
Pay attention to distinguish positive and negative pole when installing electrolytic capacitor. The long foot is the positive pole



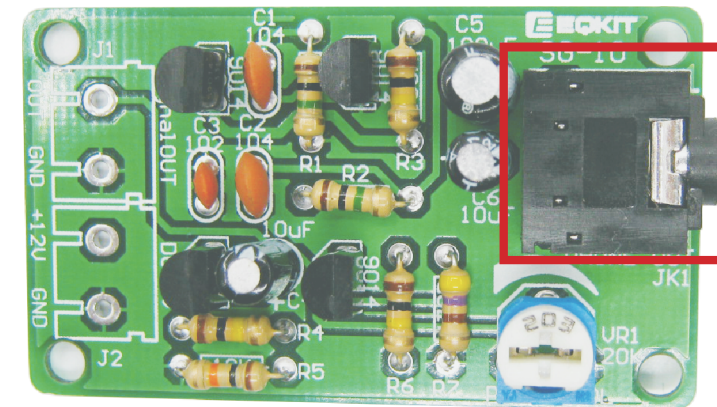
### 4. Install E-CAP : Notice that the positive electrode of electrolytic capacitor can not be reversed C4=C6=10uF.C5=100uF



### 5. Install ADJ.RES: VR1=20KΩ



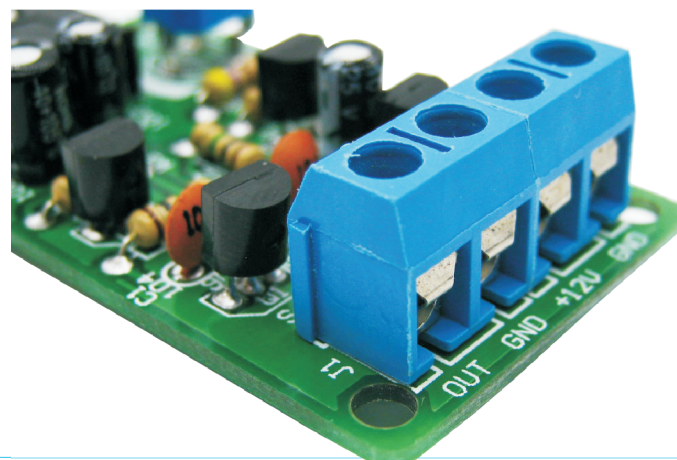
### 6. Install Earphone signal output:



SG-10 Noise signal generator component list

NO.	Name	Parameter	QTY
R7	RES	470R	1
R5	RES	10K	1
R3. R4. R6	RES	100K	3
R1. R2	RES	1M	2
C3	CAP	102pF	1
C1. C2	CAP	104pF	2
C4. C6	E-CAP	10uF	2
C5	E-CAP	100uF	1
VR1	ADJ-RES	20K	1
Q1-Q4	Triode	S9014	4
J1. J2	Socket	KF301-2	2
JK1	OUTPUT	5P-Stereo	1
—	PCB	SG-10	1

### 7. Install Power supply interface and signal output interface



### 8. Instructions:

Noise signals are similar to radio noise  
Very widely used.  
The machine is powered by DC 12V  
Two way signal output:  
J1 Output 1V fixed non adjustable noise signal  
Suitable for front stage pre input  
JK1 Output 1V continuously adjustable noise signal  
It can drive headphones directly  
Two signals do not affect each other

